



In re. Application No. 09/396,530

Group Art Unit: 3711

Filed: 9/15/99

Examiner: W.M. Pierce

Title: A Method For Improving Bowler's Control

Attorney Docket 99-1002.

Inventors: Randall A. Addington,
W. Robert Addington,
W. Robert Addington II.

To: The Assistant Commissioner Of Patents
Washington, D.C. 20231

Declaration Under 37 CFR 132

1. I, W. Robert Addington, II, DO, make this Declaration.
2. I incorporate by reference, the attached Declaration made by me and submitted with Patent Application 09/396,531, filed 9/15/99.
3. I have read the Declaration of Randall A. Addington, and the Amendment, submitted with this Declaration.
3. I have read 3,046,561, and can say as a Board Certified Physician in Rehabilitation Medicine and an expert in musculoskeletal medicine, that the ball in the grasp of the thumb and opposed fingers, as described in 3,046,561, is controlled by the wrist and hand. The thumb exerts a grasping force and does not exert any rolling, hooking or spinning force on the ball. The thumb is limited to grasping the ball and is equal in that function, to the other fingers and no more important than any other grasping fingers.

4. When a bowler, skilled in the art of bowling, applies lift to the ball at release, for example as described in the above said Declaration of my co-inventor Randall A. Addington, the thumb is not used. Lift is applied through the pads of the third or fourth fingers. The finger pad shield, as used in our inventive method, assists finger flexion of the third and fourth fingers inserted in the fingers holes, by enabling the bowler's maximum natural force to be applied to the ball. Flexor digitorum superficialis and flexor digitorum profundus, are the main muscles involved in applying lift when releasing the bowling ball. The inventive method of using the finger pad shield distributes the force of the ball over the contact area made between the finger pad shield and the finger pad of the third and fourth fingers. That distribution of the force against the finger pad shield over that contact area, enables full use of the above stated muscles when applying force to the ball to lift the ball at release.

5. All of the foregoing statements are made upon information or are made upon information or belief. All of the foregoing statements are made under knowledge of the punishments and penalties for perjury, under Title 18 of the Criminal Code of the United States of America.


W. Robert Addington, II DO

Date: 5/15/00